03 SBD-2021-22

T01 सेमरहतवार मलाह टोला दक्षिण

MMGSY-(Gem).

Shedule XLV Form No. 134.

MMGSY-G1

बेनीपुर DIVISION

घनश्यामपुर SUB-DIVISION

Measurement Book

संवेदक - जितेन्द्र यादव MBNo-1721

Date of measurement -
No. and date of agreement.
(These four lines should be repeated at the commencement of the measurements relating to each work).

Particulars	Details of actual measurement No.	L.	B.	D.	Contents of area
Name of work: Const. of road from					
	Tol Se Mahatwar Madhtda				
	Dakshin.				
Agency - Jitendra. yadav.					
Agreement No. 03 SBD/2021-22					
Date of Commen. 04/06/2021					
Date of Complit. - 03/03/2022					
		Measurement work.			
① 3	Clearing and grubbing of road land				
	1 x	30.00 x	4.00	2	120.00 M^2
	5 x	30.00 x	4.50	2	675.00 "
	5 x	30.00 x	3.50	2	525.00 "
	3 x	30.00 x	3.60	2	324.00
	1 x	12.00 x	3.40	2	40.80
	2 x	30.00 x	3.00	2	180.00.
	1 x	14.00 x	3.10	2	43.40.
	1 x	30.00 x	2.40	2	72.00
	1 x	20.00 x	2.60	2	52.00.
			Tol.		2032.2
				=	0.203 Hc

16/10/22

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
(2) Serving out and Const. of bench Mark etc					
	1 × 1.110			=	1110.
(3) const. of Refference Pillar etc					
	3 × 1110			=	3110.
(4) Excavation of sand wor by excavator etc					
	2×2×5×	30.00×	0.375×	0.10	22.50
	2×5×	30.00×	0.50×	0.10 =	30.00
	2×3×	30+20.00×	0.60×	0.10 =	18.00
				Total	70.50
		16/10/23			
(5) Construction of granular sub base G.S.B. etc					
widi	1×	26.00×	0.40×	0.10 =	1.04 M?
"	2×5×	30.00×	0.375×	0.10 =	11.25
"	2×5×	30.00×	0.375×	0.10 =	11.25
"	2×3×	30.00×	0.375×	0.10 =	6.75
Lindo	11×	15.00×	0.30×	0.10 =	4.95
Lindo	1×	30.00×	3.00×	0.10 =	9.00
"	1×	30.00×	2.80×	0.10 =	8.40
"	1×	30.00×	1.80×	0.10 =	5.40
Hst	2×	20.00×	2.60×	0.10 =	10.40
	1×	18.00×	3.00×	0.10 =	~~70.80~~ 5.40
					72.44

Continuation

wt. 66.69.

17/10/23

Sch. XLV-Form No. 134

Particulars	Details of actual measurement No.	L.	B.	D.	Contents of area
(6) 19 Earth work in excavation in found…					
	2 ×	4.15 ×	1.40 ×	1.47	= 17.08 M³
	1 ×	5.78 ×	1.07 ×	0.25	= 1.55
				Tot	18.63
(7) 21 providing and laying PCC M15 …					
	2 ×	4.15 ×	1.40 ×	0.15	= 1.74 M³
				Tot	1.74
				Af -	1.624
(8) 22 providing brick masonry in CM (1:4) …					
Hed/W	2 ×	4.15 ×	0.825 ×	2.00	= 13.69
parapet	2 ×	4.15 ×	0.40 ×	0.60	= 1.99
				Tot	15.68
Less pipe	2 ×	0.465 ×	0.61		= (-) 0.57
		Net. Tot.			15.11
				Af.	14.02 M
(9) 23 providing and laying NP3 600 mm dia RCC pipe					
	2 ×	2.50 M/12		2	5.00 M
(10) 24 plastering with CM (1:4) on Head wall …					
	2 × 2 ×	4.15 ×	1.00	2	16.60 M²
	2 × 2 ×	0.40 ×	0.60	2	0.96
	2 ×	4.15 ×	0.40	2	3.32
					20.88

Continuation

20/10/23

Sch. XLV-Form No. 134

Particulars	Details of actual measurement No.	L.	B.	D.	Contents of area
(11) / 8 providing and laying bedding ... a					
	1×	5.78×	1.07×	0.55 =	3.404
Less pipe	1×	5.78×	0.25	=	(-)1.220
Less	[illegible]				2.12
		Sd/- 20/10/23			
(12) / 9 providing and laying WBM-3 ...					
	1×	15.00×	3.30×	0.075 =	3.7143
	1×	15.00×	3.75×	0.075 =	4.221
	~~5×~~	~~30.00×~~	~~3.75×~~	~~0.075 =~~	~~42.181~~
	5×	30.00×	3.75×	0.075 =	42.18
	~~3×~~	~~3×30.00×~~	~~3.75×~~	~~0.075 =~~	~~25.31~~
	1×	30.00×	3.30×	0.075	27.43
	1×	30.00×	3.70×	0.075	28.32
				Total	108.69
		Sd/- 25/10/23			
(13) / 10 Construction of un-paired ... per ...					
	1×	30.00×	3.30×	0.160 =	15.844
	1×	23.00×	3.10×	0.160 =	11.41
	2×	30.00×	3.60×	0.160 =	34.56
	2×	30.00×	3.50×	0.160 =	33.60

Continuation Total 95.41

Sch. XLV-Form No. 134

Particulars	Details of actual measurement No.	L.	B.	D.	Contents of area
			B.F		95.41 M1
	2×	30.00×	3.60×	0.16	= 34.56 "
	1×	30.00×	3.75×	0.16	= 18.00 "
	1×	30.00×	3.60×	0.16	= 17.28
				Tol.-	165.25
		Sd 30/10/23			
(14) 8 providing and lying WBM-3 with scrg &					
	1×	14.00×	(3.75+2.85)/2	×0.075	= 3.47 "
	1×	10.50×	(2.85+2.50)/2	×0.075	= 2.10 "
	1×	3.50×	3.30 ×	0.075	= 0.87 "
	1×	13.00×	(3.50+3.30)/2	×0.075	= 3.32
	1×	9.00×	(3.30+4.10)/2	×0.075	= 2.50
	1×	9.50×	(4.10+3.75)/2	×0.075	= 2.80
	1×	8.00×	(3.90+4.90)/2	×0.075	= 2.64
	1×	8.40×	(4.20+4.80)/2	×0.075	= 2.84
	1×	7.50×	4.10 ×	0.075	= 2.30
	1×	10.60×	(4.15+4.10)/2	×0.075	= 3.28
	1×	11.00×	(2.90+3.90)/2	×0.075	= 2.80
	1×	13.00×	(3.90+3.00)/2	×0.075	= 3.36
	1×	6.00 ×	3.00 ×	0.075	= 1.35
Link.	1×	10.40×	(3.30+2.25)/2	×0.075	= 2.16
	1×	22.40×	(2.25+2.50)/2	×0.075	= 3.99
	1×	8.50×	2.40 ×	0.075	= ~~3.24~~ 1.44
	1×	15.00×	(2.40+3.50)/2	×0.075	= 3.32
	1×	12.00×	3.50 ×	0.075	= 3.15
	1×	14.60×	(2.40+2.50)/2	×0.075	= 2.68
	1×	6.60×	2.50 ×	0.075	= 1.23
		2835		Tol.	57.52

Continuation

Sch. XLV-Form No. 134

Particulars	Details of actual measurement No.	L.	B.	D.	Contents of area
			B.F		~~51.529~~ ~~53.374~~
1×	10.00 ×	(3.30 + 3.70)/2		× 0.075	= 2.63
1×	10.60 ×	(3.70 + 3.20)/2		× 0.075	= 2.74
1×	8.00 ×	(3.20 + 3.90)/2		× 0.075	= 2.13
1×	12.50 ×	(3.90 + 3.30)/2		× 0.075	= 3.38
1×	8.00 ×	(3.30 + 3.10)/2		× 0.075	= 1.92
+ 1×	17.00 ×	(3.10 + 3.90)/2		× 0.075	= 4.46
1×	4.00 ×	(2.10 + 4.10)/2		× 0.075	= 0.93
1×	16.00 ×	(3.50 + 3.60)/2		× 0.075	= 4.26
1×	11.00 ×	3.00 ×		0.075	= 2.48
1×	16.00 ×	3.00 ×		0.075	= 3.60
1×	14.00	(3.00 + 3.40)/2		× 0.075	= 3.36
1×	25.50 ×	(3.40 + 3.00)/2		× 0.075	= 6.39
1×	26.50 ×	(2.60 + 3.00)/2		× 0.075	= 5.57
1×	5.00 ×	(3.00 + 3.40)/2		× 0.075	= 1.20
1×	5.00 ×	(3.40 + 4.20)/2		× 0.075	= 1.43
1×	11.00 ×	(4.20 + 4.60)/2		× 0.075	= 3.63
1×	13.00 ×	(4.60 + 3.45)/2		× 0.075	= 3.92
1×	11.50 ×	(3.45 + 3.80)/2		× 0.075	= 3.12
1×	7.50 ×	(4.50 + 3.80)/2		× 0.075	= 2.33
1×	20.00 ×	(3.50 + 3.65)/2		× 0.075	= 5.36
1×	25.00 ×	(3.65 + 3.10)/2		× 0.075	= 6.33
1×	20.50 ×	(3.70 + 2.80)/2		× 0.075	= 4.99
1×	13.30 ×	(3.00 + 3.25)/2		× 0.075	= 3.11
1×	22.00 ×	(2.90 + 3.10)/2		× 0.075	= 4.95
Link. 1×	6.40 ×	2.60 ×		0.075	= 1.25
1×	8.50 ×	(3.00 + 2.00)/2		× 0.075	= 1.60

581.30 Continuation Total 139.93

Less previous reading (−) 108.69

39.24

(−) 12.52

16.72 ~~18.7~~

02/11/23

Sch. XLV-Form No. 134

Particulars	Details of actual measurement No.	L.	B.	D.	Contents of area
15/7 Const. of un-Jaintedal PCC M30					
	1×	14.00×	(3.75+2.85)/2	×0.160	=7.394
	1×	10.50×	(2.85+2.50)/2	×0.160	=4.49
	1×	3.50×	3.30×	0.160	=1.85
	1×	13.00×	(3.50+3.30)/2	×0.160	=7.074
	1×	9.00×	(3.30+4.10)/2	×0.160	=5.33
	1×	9.50×	(4.10+3.75)/2	×0.160	=5.97
	1×	8.00×	(3.90+4.20)/2	×0.160	=5.18
	1×	7.50×	4.10×	0.160	=4.92
	1×	10.60×	(4.15+4.10)/2	×0.160	=7.00
	1×	11.00×	(2.90+3.90)/2	×0.160	=5.98
	1×	13.00×	(3.90+3.00)/2	×0.160	=7.70
	1×	6.00×	3.00×	0.160	=2.88
Lak.	1×	10.40×	(3.30+2.25)/2	×0.160	=4.62
	1×	22.40×	(2.25+2.50)/2	×0.160	=8.51
	1×	8.50×	2.40×	0.160	=3.26
	1×	15.00×	(2.40+3.50)/2	×0.160	=7.08
	1×	12.00×	3.50×	0.160	=6.72
	1×	14.60	(2.40+2.50)/2	×0.160	=5.72
	1×	6.60×	2.50×	0.160	=2.64
	1×	10.00×	(3.30+3.70)/2	×0.160	=5.60
	1×	10.60×	(3.70+2.20)/2	×0.160	=5.85
	1×	8.00×	(3.20+3.90)/2	×0.160	=4.54
	1×	12.50×	(3.90+3.30)/2	×0.160	=7.20
	1×	8.00×	(3.20+3.00)/2	×0.160	=4.03
	1×	17.00×	(3.10+3.90)/2	×0.160	=9.52

Continuation 141.05

Sch. XLV-Form No. 134

Particulars	Details of actual measurement No.	L.	B.	D.	Contents of area
				BR.	141.05 m^3
1x	4.00x	$\frac{2.10+4.10}{2}$ x		0.160	= 1.98
1x	16.00x	$\frac{3.50+3.60}{2}$ x		0.160	= 9.09
1x	11.00x	3.00 x		0.160	= 5.28
1x	16.00	3.00 x		x0.160	= 7.68
1x	14.00x	$\frac{3.00+3.40}{2}$		x0.160	= 7.17
1x	25.50x	$\frac{3.40+3.20}{2}$		x0.160	= 13.20
1x	26.50x	$\frac{2.60+3.00}{2}$		x0.160	= 11.87
1x	5.00x	$\frac{3.40+3.00}{2}$		x0.160	= 2.56
1x	5.00x	$\frac{3.40+4.20}{2}$		x0.160	= 2.96
1x	11.00x	$\frac{4.20+4.60}{2}$		x0.160	= 7.74
1x	13.00x	$\frac{4.60+3.45}{2}$		x0.160	= 8.37
1x	11.50x	$\frac{3.45+3.00}{2}$		x0.160	= 5.93
1x	7.50x	$\frac{4.50+3.00}{2}$		x0.160	= 4.50
1x	20.00x	$\frac{3.50+3.65}{2}$		x0.160	= 11.44
1x	25.00x	$\frac{3.65+3.70}{2}$		x0.160	= 14.70
1x	20.50x	$\frac{3.70+2.80}{2}$		x0.160	= 10.66
1x	13.00x	$\frac{3.00+3.25}{2}$		x0.160	= 6.50
1x	22.00x	$\frac{2.90+3.10}{2}$		x$\frac{0.160+0.100}{2}$	= 8.58
1x	19.00x	$\frac{3.10+2.10}{2}$		x$\frac{0.160+0.100}{2}$	= 6.30
1x	9.00x	2.00 x		$\frac{0.150+0.100}{2}$	= 2.25
1x	7.50x	$\frac{2.50+4.50}{2}$		x0.125	= ~~3.28~~
Lintel. 1x	6.40x	2.60x		0.125	= 2.08
1x	8.50x	2.00x		0.100	= 1.70
1x	10.00x	2.40x		0.160	= 3.84
	598.40		Total		300.71
Less: prev.					(-) 165.25
			Net		135.46

Continuation

Sch. XLV-Form No. 134

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
16/18 : Road Marking with Hot applied Thermoplastic paint					
	2x16	x 30.00	x 0.10	=	96.00 M
	2x1	x 3.00	x 0.10	=	0.90
	2x3	x 33.00	x 0.10	=	19.80
				Tot	116.70
		02/11/23			

ABSTRACT OF COSTING

Sch. XLV-Form No. 134

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
(1) setting out and const of Bench					
Mark -do- -do- -do- -do-					
vide T.M.B Page (1) item (1)					
1 No @ Rs. 4101.78/-					Rs 4102.00
(2). Const. of Refference pile					
do -do- -do- -do- -do-					
vide T.M.B page (2) item (3)					
3 Nos @ Rs. 1896.25/-					Rs 5689.00
(3) Clearing and Grubbing of					
road land -do- -do- -do-					
vide T.M.B page (1) item (1)					
0.203 Hect. @ Rs 53879.81/-					Rs 10938.00
(4) excavation for roads and drains					
do -do- -do- -do- -do-					
vide T.M.B page (2) item (4)					
70.50 M^3 @ Rs 75.61/-					Rs 5339.00
(5)/8 Const. of granular sub base					
GSB-I do -do- -do- -do-					
vide T.M.B. page (2) item (5)					
66.69 M^3 @ Rs 3215.42/-					Rs 214436.00
(6)/9 providing and laying wet mix					
with Spray -do- -do-					
vide T.M.B page (2) item (13) and page (2) item (14)					
108.69 + 16.727 = 125.41 M^3					
125.41 M^3 @ Rs. 4004.60/-					Rs 502217.00
				Total Rs.	
					Rs. 742921.00

Continuation

Sch. XLV-Form No. 134

Particulars	Details of actual measurement No.	L.	B.	D.	Contents of area
					B/F Rs 7429212/-
7/10 Const. of un-reinforced RCC M... -do-					
vide T.M.B. Page (5) SL (13) P (8) SL (15)					
165.25 + 135.46 = 300.71 M²					
300.71 M² @ Rs 7382.84/-					Rs 2220085/-
8/18 Road Marking with Hot applied thermoplast -do-					
vide T.M.B. Page (9) SL (16)					
116.70 M² @ Rs 721.98/-					Rs 84255/-
9/19 Electro... -do-					
vide T.M.B. Page (9) SL (6)					
18.63 M² @ Rs 283.94/-					Rs 5290/-
10/20 providing and laying 1st class bedding -do-					
vide T.M.B. Page (4) SL (11)					
2.13 M² @ Rs 496.08/-					Rs 1057/-
11/21 providing and laying PCC M15 in ... -do-					
vide T.M.B. Page (5) SL (7)					
1.62 M³ @ Rs 5903.01/-					Rs 9563/-
12/22 Brick Masonry (1:4) in Head wall -do-					
vide T.M.B. Page (4) SL (8)					
14.02 M³ @ Rs 5948.90/-					Rs 83404/-
				Total	Rs 31 16575/-

Continuation

Sch. XLV-Form No. 134

Particulars	Details of actual measurement No.	L.	B.	D.	Contents of area
				B/F Rs 3146575.00	
(13)/21 providing and laying HPPR Rec. H.Pep. — d — e					
vide T.M.B. page (4) s.l. (9)					
5.00 M. @ Rs 2623.78/-				Rs 13119.00	
(14)/24 plastering with CM (1:4) in Head wall — d — e					
vide T.M.B. page (4) s.l. (10)					
20.88 M² @ Rs 182.40/-				Rs 3809.00	
		Total	Rs	3163503.00	
Add - 12% GST.			(+) Rs	379620.00	
Add. 1% Labour		(+)	Rs	31635.00	
Add. S.P.			Rs	34825.00	
		Total	Rs.	3609383.00	
15.50% below		(-)	Rs.	559454.00	
		Total	Rs	31,09929.00	

02/11/23

Material consumption.

(1). St. Met. GSB. 60.00 M³
(2). St. dust. 16.00 M³
(3). St. Metal 151.73 M³
(4) Sang. 30.12 M³
(5) St. Chips 27.13 M³
(6) Sand. 139.60 M³
(7) Murum 70.10 M³
(8) L. Sag. 2.41 M³

Continuation

02/11/23